

Storm Data and Unusual Weather Phenomena - July 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
KENTUCKY, Northeast				
(KY-Z101) GREENUP, (KY-Z102) CARTER, (KY-Z103) BOYD, (KY-Z105) LAWRENCE				
	07/01/07 00:00 EST	0		Drought
	07/31/07 23:59 EST	0		
The drought conditions, that developed during June, continued through July. Yet, topsoil moisture did improve with monthly rainfalls of 3.5 to 4.5 inches being observed.				
BOYD COUNTY				
2.0 SE GARNER	07/19/07 14:45 EST	0		Thunderstorm Wind (EG 50 kt)
	07/19/07 14:45 EST	0		38.2796N, 82.704W
LAWRENCE COUNTY				
3.0 E WEBBVILLE	07/19/07 14:50 EST	0		Thunderstorm Wind (EG 50 kt)
	07/19/07 14:50 EST	0		38.18N, 82.8148W
The environment was moist and unstable, ahead of a strong mid summer cold front. Thunderstorms developed quickly in the afternoon, well in advance of the front and its associated support from the upper air winds. The freezing level was also high, around 14,000 feet msl. These factors limited the severe coverage. The thunderstorm wind damage was mostly trees and large branches blown down across roads.				
BOYD COUNTY				
ASHLAND	07/24/07 18:45 EST	0		Hail (0.75 in)
	07/24/07 18:45 EST	0		38.47N, 82.63W
GREENUP COUNTY				
RUSSELL	07/24/07 18:50 EST	0		Hail (0.75 in)
	07/24/07 18:50 EST	0		38.53N, 82.68W
Thunderstorms formed due to a cool pool of air aloft, along with disturbances rotating around this upper air feature.				
GREENUP COUNTY				
WARNOCK	07/26/07 15:19 EST	0		Hail (1.00 in)
	07/26/07 15:19 EST	0		38.5N, 82.98W
Thunderstorms briefly pulsed to severe limits as they crossed through Greenup County.				
OHIO, Southeast				
(OH-Z086) GALLIA, (OH-Z087) LAWRENCE				
	07/01/07 00:00 EST	0		Drought
	07/31/07 23:59 EST	0		
The drought conditions, that developed in June, continued through July. However, topsoil moisture did improve with monthly rainfalls of 3.5 to 4.5 inches being observed.				
ATHENS COUNTY				
CHAUNCEY	07/15/07 16:05 EST	0		Thunderstorm Wind (EG 50 kt)
ATHENS	07/15/07 16:05 EST	0		39.4N, 82.13W ~ 39.33N, 82.1W
Trees or large branches were blown down in scattered locations.				
A few thunderstorms formed, south of a slow moving cold front.				
GALLIA COUNTY				
1.0 N GALLIPOLIS	07/17/07 15:07 EST	8K		Thunderstorm Wind (EG 50 kt)
	07/17/07 15:07 EST	0		38.8345N, 82.2W
Poles were blown over and damaged cars along Route 7.				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
LAWRENCE COUNTY				
PROCTORVILLE	07/17/07 15:20 EST		0.25M	Thunderstorm Wind (EG 55 kt)
ROME	07/17/07 15:20 EST		0	38.43N, 82.38W ~ 38.45N, 82.35W
A small portion of the roof to Fairland Middle School was damaged. A large camper was rolled over. Small structures on the fairgrounds were damaged. Several trees were knocked down. One tree fell into a second floor bedroom of a home, causing heavy damage.				
Small clusters of thunderstorms intensified near the Ohio River.				
JACKSON COUNTY				
4.0 NW JACKSON	07/19/07 13:15 EST		0	Thunderstorm Wind (EG 50 kt)
	07/19/07 13:15 EST		0	39.0909N, 82.6827W
GALLIA COUNTY				
KYGER	07/19/07 14:00 EST		0	Thunderstorm Wind (EG 50 kt)
	07/19/07 14:00 EST		0	38.98N, 82.15W
The environment was moist and unstable, ahead of a strong mid summer cold front. Thunderstorms formed quickly in the afternoon. Yet, the main support from the upper air winds remained to the west and north. Also, the freezing level was near 14,000 feet msl. These factors limited the severe coverage. The thunderstorm wind damage was mostly trees and large branches blown down on roads.				
MEIGS COUNTY				
MIDDLEPORT	07/24/07 14:21 EST		0	Hail (0.75 in)
	07/24/07 14:21 EST		0	39N, 82.05W
ATHENS COUNTY				
3.0 ESE ATHENS	07/24/07 16:10 EST		0	Thunderstorm Wind (EG 50 kt)
	07/24/07 16:10 EST		0	39.3134N, 82.0482W
Large branches were blown down along portions of County Routes 24 and 90.				
GALLIA COUNTY				
2.0 S CADMUS	07/24/07 16:43 EST		0	Hail (0.75 in)
	07/24/07 16:43 EST		0	38.7411N, 82.43W
LAWRENCE COUNTY				
IRONTON	07/24/07 18:15 EST		0	Hail (0.88 in)
	07/24/07 18:15 EST		0	38.53N, 82.67W
Thunderstorms formed due to a cool pool of air aloft and disturbances rotating around this upper air feature. A low freezing level, for mid summer, aided the hail reaching the ground.				
GALLIA COUNTY				
RODNEY	07/27/07 15:45 EST		0	Hail (0.75 in)
	07/27/07 15:45 EST		0	38.85N, 82.3W
LAWRENCE COUNTY				
CHESAPEAKE	07/27/07 15:52 EST		0	Thunderstorm Wind (EG 50 kt)
PROCTORVILLE	07/27/07 15:52 EST		0	38.43N, 82.45W ~ 38.43N, 82.38W
Trees fell onto power lines.				
LAWRENCE COUNTY				
SOUTH PT	07/27/07 16:07 EST		0	Hail (0.88 in)
	07/27/07 16:07 EST		0	38.42N, 82.58W
An upper level disturbance combined with daytime heating to help trigger late afternoon thunderstorms.				

WEST VIRGINIA, West

Storm Data and Unusual Weather Phenomena - July 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
(WV-Z005) WAYNE, (WV-Z006) CABELL, (WV-Z007) MASON, (WV-Z008) JACKSON, (WV-Z013) LINCOLN, (WV-Z014) PUTNAM, (WV-Z015) KANAWHA				
	07/01/07 00:00 EST		0	Drought
	07/31/07 23:59 EST		0	
The drought, that developed in June, continued through July. However, topsoil moisture did improve, especially in Jackson, Putnam, and Kanawha Counties, where the monthly rain totals were at or slightly above normal.				
TAYLOR COUNTY				
GRAFTON	07/05/07 19:45 EST		1K	Flood (due to Heavy Rain)
THORNTON	07/05/07 20:30 EST		0	39.35N, 80.03W ~ 39.35N, 79.93W
Basement flooding occurred in Grafton, while small streams flooded portions of Route 50 toward Thornton.				
HARRISON COUNTY				
4.0 SW CLARKSBURG	07/05/07 20:00 EST		0	Flood (due to Heavy Rain)
2.0 SW CLARKSBURG	07/05/07 20:30 EST		0	39.2391N, 80.4028W ~ 39.2596N, 80.3764W
Davisson Run flooded roads near Liberty High School.				
Rains of 1 to 1.5 inches fell during the evening of the 4th into the early hours of the 5th. More rain developed during the afternoon of the 5th. Those rains were on the order of 1 to 2 inches in less than 2 hours. The net result was minor flooding of small streams.				
TYLER COUNTY				
KIDWELL	07/13/07 16:35 EST		0	Hail (0.88 in)
	07/13/07 16:35 EST		0	39.53N, 80.88W
HARRISON COUNTY				
CLARKSBURG	07/13/07 17:22 EST		0	Hail (1.00 in)
	07/13/07 17:22 EST		0	39.28N, 80.35W
HARRISON COUNTY				
BRIDGEPORT	07/13/07 17:31 EST		0	Hail (1.00 in)
	07/13/07 17:31 EST		0	39.28N, 80.25W
TAYLOR COUNTY				
ROSEMONT	07/13/07 17:44 EST		0	Hail (0.75 in)
	07/13/07 17:44 EST		0	39.27N, 80.17W
Thunderstorms formed in Ohio just ahead of a weak low level boundary, a secondary cold front. Moisture was limited, with surface dew points pooling only into the lower 60s. A mid level disturbance helped maintain the convection into West Virginia. A few cells briefly became stronger, producing large hail.				
HARRISON COUNTY				
CLARKSBURG	07/15/07 15:00 EST		0	Thunderstorm Wind (EG 50 kt)
	07/15/07 15:00 EST		0	39.28N, 80.35W
Numerous trees were blown down, causing power outages.				
BARBOUR COUNTY				
PHILIPPI	07/15/07 15:15 EST		0	Thunderstorm Wind (EG 50 kt)
	07/15/07 15:15 EST		0	39.15N, 80.03W
Several trees fell in town.				
KANAWHA COUNTY				
SOUTH CHARLESTON	07/15/07 18:00 EST		1.50K	Lightning
	07/15/07 18:00 EST		0	38.33N, 81.65W
A thunderstorm with minimal lightning, electrocuted a family pet. A metal wire was attached to 2 trees for a dog run. Lightning struck one of the trees, killing the dog on the end of his metal leash.				
A few thunderstorms were able to form, south of a slow moving cold front.				

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MASON COUNTY				
POINT PLEASANT	07/17/07 15:16 EST		0	Thunderstorm Wind (EG 50 kt)
	07/17/07 15:16 EST		0	38.85N, 82.12W
Trees were knocked down in scattered locations, including Krovel Park.				
CABELL COUNTY				
HUNTINGTON	07/17/07 15:35 EST		40K	Thunderstorm Wind (EG 55 kt)
	07/17/07 15:35 EST		0	38.42N, 82.47W
Trees and utility poles fell, mainly on the east side of town.				
BOONE COUNTY				
3.0 SSW TURTLE CREEK	07/17/07 16:00 EST		0	Thunderstorm Wind (EG 50 kt)
	07/17/07 16:00 EST		0	37.9899N, 81.9911W
Trees were blown down along Hurricane Branch.				
CABELL COUNTY				
CULLODEN	07/17/07 16:00 EST		4K	Thunderstorm Wind (EG 50 kt)
	07/17/07 16:00 EST		0	38.42N, 82.05W
Trees fell on a house, causing a fire.				
Small clusters of thunderstorms moved out of southeast Ohio and into western West Virginia.				
FAYETTE COUNTY				
CHARLTON HGTS	07/19/07 13:31 EST		0	Hail (0.75 in)
	07/19/07 13:31 EST		0	38.12N, 81.23W
KANAWHA COUNTY				
DAWES	07/19/07 13:40 EST		0	Hail (0.88 in)
	07/19/07 13:40 EST		0	38.15N, 81.45W
WAYNE COUNTY				
LAVALETTE	07/19/07 13:40 EST		0	Thunderstorm Wind (EG 50 kt)
	07/19/07 13:40 EST		0	38.32N, 82.45W
FAYETTE COUNTY				
ALLOY	07/19/07 13:42 EST		0	Hail (0.75 in)
	07/19/07 13:42 EST		0	38.13N, 81.28W
CABELL COUNTY				
HUNTINGTON	07/19/07 14:10 EST		0	Thunderstorm Wind (EG 50 kt)
	07/19/07 14:10 EST		0	38.42N, 82.47W
Trees were blown down on Riverside Drive.				
FAYETTE COUNTY				
OAK HILL	07/19/07 14:25 EST		0	Thunderstorm Wind (EG 50 kt)
	07/19/07 14:25 EST		0	37.98N, 81.13W
LOGAN COUNTY				
CHAPMANVILLE	07/19/07 14:35 EST		0	Thunderstorm Wind (EG 50 kt)
	07/19/07 14:35 EST		0	37.98N, 82.02W
BOONE COUNTY				
PEYTONA	07/19/07 14:45 EST		0	Thunderstorm Wind (EG 50 kt)
	07/19/07 14:45 EST		0	38.13N, 81.68W ~ 38.12N, 81.63W
WAYNE COUNTY				

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FT GAY	07/19/07 15:00 EST		0	Thunderstorm Wind (EG 50 kt)
	07/19/07 15:00 EST		0	38.12N, 82.6W
GILMER COUNTY				
GLENVILLE	07/19/07 15:40 EST		0	Thunderstorm Wind (EG 50 kt)
SAND FORK	07/19/07 15:40 EST		0	38.93N, 80.83W ~ 38.92N, 80.75W
LEWIS COUNTY				
WESTON	07/19/07 15:55 EST		0	Thunderstorm Wind (EG 50 kt)
	07/19/07 15:55 EST		0	39.03N, 80.45W
LINCOLN COUNTY				
2.0 S SPURLOCKVILLE	07/19/07 16:00 EST		0	Thunderstorm Wind (EG 50 kt)
	07/19/07 16:00 EST		0	38.1011N, 82.02W
UPSHUR COUNTY				
ROCK CAVE	07/19/07 16:00 EST		0	Thunderstorm Wind (EG 50 kt)
	07/19/07 16:00 EST		0	38.83N, 80.33W
LOGAN COUNTY				
3.0 S CHAPMANVILLE	07/19/07 16:15 EST		0	Thunderstorm Wind (EG 50 kt)
	07/19/07 16:15 EST		0	37.9366N, 82.02W
The trees fell down along Crawley Creek.				
RANDOLPH COUNTY				
MILL CREEK	07/19/07 16:25 EST		0	Thunderstorm Wind (EG 50 kt)
	07/19/07 16:25 EST		0	38.73N, 79.97W
The environment was moist and unstable, ahead of a strong mid summer cold front. Thunderstorms formed quickly in the afternoon. Yet, the main support from the upper air winds remained well to the west and north. In addition, the freezing level was near 14,000 feet msl. These factors limited the severe coverage. Thunderstorm wind damage was mostly limited to trees and large branches blown down on roads.				
MASON COUNTY				
GALLIPOLIS FERRY	07/24/07 13:08 EST		0	Hail (0.75 in)
	07/24/07 13:08 EST		0	38.77N, 82.18W
MASON COUNTY				
MASON	07/24/07 14:21 EST		0	Hail (0.88 in)
	07/24/07 14:21 EST		5K	39.02N, 82.03W
Some minor crop damage was noted.				
Thunderstorms formed due to a cool pool of air aloft and disturbances rotating around this upper air feature. The freezing level was only around 10,000 feet msl.				
WAYNE COUNTY				
HUNTINGTON	07/26/07 18:00 EST		0	Thunderstorm Wind (EG 50 kt)
	07/26/07 18:00 EST		0	38.42N, 82.47W
Trees and large branches were blown down on the west side of town.				
WAYNE COUNTY				
EAST LYNN	07/26/07 18:45 EST		0	Thunderstorm Wind (EG 50 kt)
	07/26/07 18:45 EST		0	38.17N, 82.38W
LINCOLN COUNTY				
3.0 SSW BRANCHLAND	07/26/07 18:49 EST		0	Thunderstorm Wind (EG 50 kt)
	07/26/07 18:49 EST		0	38.1799N, 82.2211W
Trees were blown down along Fourmile Creek.				

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KANAWHA COUNTY				
HUGHESTON	07/26/07 18:52 EST		0	Hail (0.75 in)
	07/26/07 18:52 EST		0	38.2N, 81.37W
KANAWHA COUNTY				
MAMMOTH	07/26/07 19:07 EST		0	Hail (0.88 in)
	07/26/07 19:07 EST		0	38.27N, 81.37W
BOONE COUNTY				
RACINE	07/26/07 19:10 EST		0	Thunderstorm Wind (EG 50 kt)
	07/26/07 19:10 EST		0	38.13N, 81.67W
LINCOLN COUNTY				
GRIFFITHSVILLE	07/26/07 19:12 EST		0	Thunderstorm Wind (EG 50 kt)
MC CORKLE	07/26/07 19:12 EST	1	0	38.23N, 81.98W ~ 38.22N, 81.83W
Scattered locations had large branches or trees blown down. One boy was slightly injured by a large fallen branch.				
MASON COUNTY				
POINT PLEASANT	07/26/07 19:15 EST		0	Hail (0.75 in)
	07/26/07 19:15 EST		0	38.85N, 82.12W
KANAWHA COUNTY				
2.0 S ST ALBANS	07/26/07 19:20 EST		0	Thunderstorm Wind (EG 50 kt)
	07/26/07 19:20 EST		0	38.3511N, 81.83W
CLAY COUNTY				
1.0 N CLAY	07/26/07 19:25 EST		0	Thunderstorm Wind (EG 50 kt)
	07/26/07 19:25 EST		0	38.4845N, 81.08W
KANAWHA COUNTY				
(CRW) YEAGER ARPT	07/26/07 19:31 EST		0	Thunderstorm Wind (MG 66 kt)
1.0 NE (CRW) YEAGER ARPT	07/26/07 19:31 EST		0	38.37N, 81.6W ~ 38.3802N, 81.587W
KANAWHA COUNTY				
CHARLESTON	07/26/07 19:35 EST		0	Hail (0.75 in)
	07/26/07 19:35 EST		0	38.35N, 81.63W
MINGO COUNTY				
2.0 NE KERMIT	07/26/07 19:35 EST		0	Thunderstorm Wind (EG 50 kt)
	07/26/07 19:35 EST		0	37.8504N, 82.3941W
Trees fell along Marrowbone Creek.				
KANAWHA COUNTY				
DUNBAR	07/26/07 19:44 EST		0	Thunderstorm Wind (EG 50 kt)
	07/26/07 19:44 EST		0	38.37N, 81.73W
CLAY COUNTY				
PROCIOS	07/26/07 19:57 EST		0	Thunderstorm Wind (EG 50 kt)
	07/26/07 19:57 EST		0	38.48N, 81.2W
LOGAN COUNTY				
LOGAN	07/26/07 19:58 EST		0	Thunderstorm Wind (EG 50 kt)
	07/26/07 19:58 EST		0	37.85N, 82W
KANAWHA COUNTY				
ELKVIEW	07/26/07 20:00 EST		0	Hail (0.75 in)
	07/26/07 20:00 EST		0	38.45N, 81.48W

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ROANE COUNTY				
WALTON	07/26/07 20:14 EST		0	Thunderstorm Wind (EG 50 kt)
	07/26/07 20:14 EST		0	38.63N, 81.4W
BRAXTON COUNTY				
FRAMETOWN	07/26/07 21:00 EST		0	Thunderstorm Wind (EG 50 kt)
	07/26/07 21:00 EST		0	38.63N, 80.87W
WYOMING COUNTY				
SIMON	07/26/07 21:00 EST		0	Hail (1.00 in)
	07/26/07 21:00 EST		0	37.6N, 81.73W
WYOMING COUNTY				
SIMON	07/26/07 21:04 EST		0	Hail (0.88 in)
	07/26/07 21:04 EST		0	37.6N, 81.73W
FAYETTE COUNTY				
OAK HILL	07/26/07 21:06 EST		0	Thunderstorm Wind (EG 50 kt)
	07/26/07 21:06 EST		0	37.98N, 81.13W
RALEIGH COUNTY				
COOL RIDGE	07/26/07 21:40 EST		0	Thunderstorm Wind (EG 50 kt)
	07/26/07 21:40 EST		0	37.65N, 81.1W
WEBSTER COUNTY				
COWEN	07/26/07 22:00 EST		0	Hail (0.75 in)
	07/26/07 22:00 EST		0	38.42N, 80.55W
<p>Individual pulse thunderstorm cells began to merge with an advancing larger line of thunderstorms, coming east, out of Kentucky. As the cells merged, they gained strength and began to produce strong wind gusts. The most damage was from trees falling on power lines. About 4,000 customers were without electricity. Roads were also blocked by fallen trees or large branches. A localized strong wind gust of 76 mph was measured at Yeager Airport near Charleston. That equalled the strongest gust on record there. Yet, no damage was observed at the airport. The adjacent Coonskin Park did have 6 to 12 large trees uprooted or snapped on hilltops. The line of thunderstorms moved east, producing wind damage in Clay and Braxton Counties. On the southern end of the line, the storms did scattered tree damage into Fayette and Raleigh Counties, while large hail fell in Wyoming County.</p>				
WOOD COUNTY				
PARKERSBURG	07/27/07 14:40 EST		0	Hail (0.75 in)
	07/27/07 14:40 EST		0	39.27N, 81.55W
BRAXTON COUNTY				
FLATWOODS	07/27/07 15:40 EST		0	Hail (0.88 in)
	07/27/07 15:40 EST		0	38.72N, 80.65W
RITCHIE COUNTY				
BEATRICE	07/27/07 15:45 EST		0	Hail (0.75 in)
	07/27/07 15:45 EST		0	39.08N, 81.15W
MASON COUNTY				
4.0 SSE POINT PLEASANT	07/27/07 16:15 EST		0	Thunderstorm Wind (EG 50 kt)
	07/27/07 16:15 EST		0	38.7966N, 82.0916W
Trees were blown down along Redmond Ridge.				
PUTNAM COUNTY				
BUFFALO	07/27/07 16:45 EST		0	Thunderstorm Wind (EG 50 kt)
	07/27/07 16:45 EST		0	38.62N, 81.98W
Large branches were blown down.				

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PUTNAM COUNTY				
WINFIELD	07/27/07 16:51 EST		0	Hail (0.75 in)
	07/27/07 16:51 EST		0	38.53N, 81.88W
GILMER COUNTY				
2.0 E LETTER GAP	07/27/07 17:00 EST		0	Thunderstorm Wind (EG 50 kt)
	07/27/07 17:00 EST		0	38.88N, 80.8829W
Trees were knocked down in Cedar Creek State Park.				
KANAWHA COUNTY				
SISSONVILLE	07/27/07 17:05 EST		0	Hail (0.75 in)
	07/27/07 17:05 EST		0	38.53N, 81.63W
BRAXTON COUNTY				
FRAMETOWN	07/27/07 17:15 EST		0	Hail (0.75 in)
	07/27/07 17:15 EST		0	38.63N, 80.87W
KANAWHA COUNTY				
CLEDENIN	07/27/07 17:35 EST		0	Thunderstorm Wind (EG 50 kt)
	07/27/07 17:35 EST		0	38.48N, 81.35W
Trees fell onto power lines along Route 4.				
CLAY COUNTY				
CLAY	07/27/07 17:40 EST		0	Thunderstorm Wind (EG 50 kt)
	07/27/07 17:44 EST		0	38.47N, 81.08W ~ 38.43N, 81.15W
Trees fell down onto power lines.				
An upper level disturbance combined with daytime heating to help form afternoon thunderstorms.				
RANDOLPH COUNTY				
MONTROSE	07/29/07 14:39 EST		0	Hail (0.75 in)
	07/29/07 14:39 EST		0	39.07N, 79.82W
UPSHUR COUNTY				
BUCKHANNON	07/29/07 15:37 EST		0	Hail (0.75 in)
	07/29/07 15:37 EST		0	39N, 80.23W
UPSHUR COUNTY				
BUCKHANNON	07/29/07 15:40 EST		0	Hail (1.25 in)
	07/29/07 15:40 EST		0	39N, 80.23W
Late afternoon thunderstorms were able to produce a few reports of large hail.				